This listing of claims will replace all prior versions, and listings, of claims in the application:

In the Claims:

(1) – (9) (Canceled)

(10) (New) An electric radiator adapted to be filled with oil and comprising:

a plurality of generally vertically extending radiating fins being linked in turn, each radiating fin being hollow and sheet-like and having at least two grooves therein for oil, hollow connecting sleeves extending generally horizontally from upper and lower ends of each fin, each connecting sleeve including an oil-inflow hole therein in communication with the fin such that the fins may be filled with oil;

an electric-control box mounted in relation to the radiating fins and having operatively associated therewith a switch, a temperature controller, a heat protector, and a wire;

a heater located inside of the radiating fins;

the plurality of fins being similarly shaped and dimensioned and being selected from the group of (a) a first set of fins wherein the upper and lower ends of each fin are in the different vertical planes or (b) a second set of fins wherein the upper and lower ends of each fin are in generally a same vertical plane, with at least a middle portion of each fin being curved to form a convex configuration towards a side.

(11) (New) The electric radiator filled of claim 1, wherein fins are the first set of fins, each fin having a curved portion connected the upper and lower ends, the curved portion including two oppositely-directed folds.

(12) (New) The electric radiator of claim 11, the two folds being generally equal in radius (R) and length of arc, and being generally circular-arc in shape, the radius R being not less than 15 mm, the folds defining a central angle between 30° and 60° inclusive.

(13) (New) The electric radiator claim 11, wherein the upper and lower ends of each fin are of generally equal length, the length end and a height of the curved portion defining a ratio between 1:1 and 5:1 inclusive.

(14) (New) The electric radiator of claim 10, wherein the fins are the second set of fins, the middle portion of each fin includes a middle fold in a first direction and two end folds at ends of the middle fold, the two end folds having a second direction which is reverse to the first direction.

(15) (New) The electric radiator of claim 14, the middle fold and end folds being circular-arc in shape, the middle fold having a radius between 80 mm and 100 mm inclusive and defining a central between 40° and 70° inclusive, each end fold having a respective radius between 15 mm and 30 mm inclusive and defining respective central angles between 30° and 50° inclusive.

(16) (New) The electric radiator of claim 14, wherein the upper and lower ends of each fin are of generally equal length, the length end and a height of the middle portion defining a ratio between 1:1 and 0.2:1 inclusive.

(17) (New) The electric radiator of claim 1 further comprising a back cover, the electric-control box being associated with a leftmost radiating fin, the back cover being associated with a rightmost radiating fin, and wherein the electric-control box and the back cover include heat radiating holes.

(18) (New) The electric radiator of claim 10 further comprising wheels mounted in relation to a bottom of the radiating fins.